



Appl. No. 09/864,132

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Amendment/Response

Reply to non-Final Office action of 2 February 2004

Listing of the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (previously amended) A low-pressure mercury gas discharge lamp comprising an inner bulb, which forms a gas discharge vessel and the wall of which is made of a material which is transparent to electromagnetic radiation and is coated with a phosphor, and comprising an outer bulb surrounding and spaced apart from the inner bulb, the wall of which contains an UV-A phosphor, and comprising means for generating and maintaining a low-pressure mercury gas discharge.

2. (original) A low-pressure mercury gas discharge lamp as claimed in claim 1, characterized in that the wall of the outer bulb comprises a coating containing the UV-A phosphor.

3. (original) A low-pressure mercury gas discharge lamp as claimed in claim 1, characterized in that the wall of the outer bulb is made of a material containing a polymeric synthetic resin and the UV-A phosphor.

4. (original) A low-pressure mercury gas discharge lamp as claimed in claim 1, characterized in that the UV-A phosphor is selected from the group formed by ZnS:Ag, YVO₄:Eu, Y(V,P)O₄:Eu, Y₂O₂S:Eu, CaSiO₃:Ce,Mn, CaSO₄:Ce,Mn, Y₂SiO₅:Ce,Mn, BaMgAl₁₀O₁₇:Eu,Mn and (Ba,Sr,Ca)₅(PO₄)₃Cl:Eu,Mn.

5. (original) A low-pressure mercury gas discharge lamp as claimed in claim 1, characterized in that the UV-A phosphor

is selected from the group formed by ZnS:Cu,Au ; CaS:Eu ; $\text{SrGa}_2\text{S}_4\text{:Eu}$, and $\text{Mg}_4\text{GeO}_{5.5}\text{F:Mn}$.

6. (original) A low-pressure mercury gas discharge lamp as claimed in claim 1, characterized in that the inner bulb is tubular and bent.

7. (original) A low-pressure mercury gas discharge lamp as claimed in claim 1, characterized in that the inner bulb is tubular and coiled.

8. (previously amended) A low-pressure mercury gas discharge lamp as claimed in claim 6, characterized in that the outer bulb is pear-shaped.

9. (previously amended) A low-pressure mercury gas discharge lamp as claimed in claim 7, characterized in that the outer bulb is pear-shaped.